

DRILL HOLES

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PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 24 AND MD 755 IN HARFORD COUNTY. THE WORK IS NECESSITATED BY THE CONSTRUCTION OF A FUTURE DOUBLE LEFT TURN LANE FOR SOUTHBOUND MD 24 AND WILL CONSIST OF DETECTION, HANDHOLE AND CONDUIT REPLACEMENT. MD 24 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA EIGHT-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR MD 24 AND EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR MD 755. THIS OPERATION WILL NOT CHANGE.

CONTROLLER REQUIREMENTS

THE EXISTING EIGHT-PHASE, FULLY-ACTUATED CONTROLLER HOUSED IN A NEMA SIZE '6' BASE MOUNTED CABINET WILL BE USED.

WIRING DIAGRAM

WIRING KEY

A2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) -ALUMINUM SHIELDED

B-CMICRO-LOOP PROBE LEAD-IN

MLMICRO-LOOP PROBE

LWLOOP WIRE (NO. 14 A.W.G)

ECEXISTING CABLE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
15 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
2 EA	FURNISH AND INSTALL NON-INVASIVE MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN
LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
75 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
380 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
370 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (NO. 14 A.W.G.) - ALUMINUM SHIELDED
425 LF	FURNISH AND INSTALL LOOP WIRE (NO. 14 A.W.G.) ENCASED IN 1/4 IN. FLEXIBLE TUBING
110 LF	FURNISH AND INSTALL SAWCUT
5 LF	FURNISH AND INSTALL 1 IN. LIQUID-TIGHT, NON-METALIC CONDUIT - DETECTOR SLEEVE
75 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT

ASSISTANT DISTRICT ENGINEER - TRAFFIC

(410) 321-2781

MR. STEVE MARCISZEWSKI

ASSISTANT DISTRICT ENGINEER - MAINTENANCE

(410) 321-2781

MR. MIKE PASQUARELLO

ASSISTANT DISTRICT ENGINEER - UTILITIES

(410) 321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.

CHIEF, TRAFFIC OPERATIONS

(410) 787-7630

MR. EUGENE BAILEY

TEAM LEADER SIGN OPERATIONS

(410) 787-7676

MR. ROBERT SNYDER

ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS

(410) 787-7631

MS. DARLENE EIDE

SUPPLY OFFICE

SIGNAL SHOP WAREHOUSE

(410) 787-7668

MR. ED RODENHIZER

TEAM LEADER SIGNAL OPERATIONS

(410) 787-7652

PHASING CHART

(PHASING WILL NOT CHANGE)

TRAFFIC CONCEPTS, INC.

325 Gambrills Road

Suite E

Gambrills, MD 21054

(410) 923-7101

FAX (410) 923-6473

EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

SHA

STATE OF MARYLAND

DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN

MD 24 AND MD 755 (EDGEWOOD ROAD)

SCALE

NONE

DATE

6-28-06

CONTRACT NO.

BW 996M82

DESIGNED BY

T. ZAYDEL

COUNTY

HARFORD

DRAWN BY

T. ZAYDEL

LOGMILE

CHECKED BY

K. SCHMID

T.J.M.S. NO.

1 004

F.A.P. NO.

NA

TOD NO.

DRAWING NO.

TS-1212G GI

SHEET NO.

2

OF

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